

REQUEST FOR ENGINEERING INFORMATION (REI)

1. ORIGINATOR NAME/PHONE NO. ROBERT FREEMAN 804-279-4743	2. ORG/CODE 0731.12	3. CONTRACT OR SCHEDULE NUMBER	4. REI NUMBER 01-12832
5. NSN/PART NOMENCLATURE 6685-00-527-7169	6. DWG./PART NO. AFFECTED 415383-1, Thermometer	7. MODEL/END ITEM ALRE M-21 A/G	8. REQUEST DATE 10/23/01
9. SUPERVISOR	10. INSPECTOR	11. REFERENCE DOCUMENT DSCR # 07-02-00425	PAGE 1 OF 6

DESCRIPTION OF PROBLEM

12. NO PREVIOUS TDR

PLEASE IDENTIFY SOURCES OF SUPPLY IF AVAILABLE AND INCLUDE A COPY OF THE CURRENT DRAWING AND A CURRENT COPY OF THE QM1006 QUALITY REQUIREMENTS IF NOT INCORPORATED INTO THE TDR. IN ADDITION, PLEASE IDENTIFY IF THIS IS A CRITICAL ITEM AND IF A FAT AND/OR A PAS ARE REQUIRED. THE CORRECT AMC/AMSC IS REQUIRED TO CONTROL THE PROCUREMENT OF THIS ITEM.

POC FOR THIS REQUEST IS CHARLES JOHNSON, 215-697-2196 AT NAVICP-P.

NAVAIR COMMENT

13. CRITICALITY OF ITEM: (PICK ONE) CSI: CAI: Yes NONE:

14. TDR PROVIDED BEGINNING ON PAGE 2.

AMC Code: I
AMSC Code: G

Previous TDR: 01-12568, 26 July 2001

15. CHANGE DRAWINGS MANUALS MRC's ECP REQ'D	16. NAVAIR COMMENT PREPARED BY <i>Robert M. Gallucci</i>	PHONE NUMBER DSN 624-7336	DATE 06 November 2001	CODE 4.8.10.2
	17. NAVAIR COMMENT APPROVED BY <i>M. J. Lawrence</i>	PHONE NUMBER DSN 624-7338	DATE 06 November 2001	CODE 4.8.10.2.

REI NAWC COMMENTS (CONT'D)

REI-01-12832

415383-1

REVISION B

ABOVE TITLE BLOCK, NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION, LAKEHURST, NJ 08733 (SUPERSEDING "NAVAL AIR ENGINEERING CENTER, LAKEHURST, NJ 08733").

DISREGARD NOTE 4, IN LIEU THEREOF THE FOLLOWING SHALL APPLY: PIPE THREAD DIMENSIONS AND DESIGNATIONS SHALL BE INTERPRETED IN ACCORDANCE WITH FED-STD-H28/7 AND ASME B1.20.1 RESPECTIVELY.

IN NOTE 5, NAWC (SUPERSEDING "NAEC") AND ADD: "IN ACCORDANCE WITH MIL-STD-130".

NOTE 1:

THE FOLLOWING SHALL APPLY TO ALL TECHNICAL DRAWINGS WHICH DO NOT BEAR A DISTRIBUTION STATEMENT AS REQUIRED BY OPNAVINST 5510.1H.

EXCEPT FOR FIXED, LANDBASED ARRESTING GEAR -

ALL LAUNCH AND RECOVERY EQUIPMENT, INCLUDING COMPONENTS, PARTS, ACCESSORIES ATTACHMENTS AND ASSOCIATED EQUIPMENT (INCLUDING GROUND SUPPORT EQUIPMENT), SPECIFICALLY DESIGNED OR MODIFIED FOR LAUNCH AND RECOVERY EQUIPMENT, FALL UNDER THE INTERNATIONAL TRAFFIC IN ARMS REGULATIONS, 22CFR PART 121.1, CATEGORY VIII, VOL 49, NO. 236 OF THE FEDERAL REGISTER AND IS CONSIDERED EXPORT CONTROLLED TECHNOLOGY.

A. ALL SPECIFICATION CONTROL, SOURCE CONTROL, INTERFACE CONTROL AND ALTERED ITEM DRAWINGS SHALL BE GOVERNED BY DISTRIBUTION STATEMENT "A" OF OPNAVINST 5510.1H AND ARE CLEARED FOR PUBLIC RELEASE.

B. ALL OTHER DRAWINGS AND TECHNICAL DOCUMENTS SHALL BE GOVERNED BY DISTRIBUTION STATEMENT "D" OF OPNAVINST 5510.1H AND ARE CLEARED FOR USE BY DOD AND DOD CONTRACTORS ONLY. UPON COMPLETION OF THE CONTRACT, ALL DOCUMENTS WILL BE DESTROYED BY ANY METHOD THAT WILL PREVENT DISCLOSURE OF CONTENTS OR RECONSTRUCTION OF THE DOCUMENT.

NOTE 2:

SECTION 326 OF THE 1993 DEFENSE AUTHORIZATION ACT PLACES RESTRICTIONS ON THE USE OF CLASS I OZONE DEPLETING SUBSTANCES (ODS). UNTIL SUCH TIME AS THESE CLASS I ODS'S ARE ELIMINATED FROM MILITARY DRAWINGS AND SPECIFICATIONS (INCLUDING SECOND TIER, I.E., THOSE SPECIFICATIONS LISTED IN THE SPECIFICATIONS LISTED ON THE DRAWINGS), THE FOLLOWING SHALL APPLY:

1. THE CONTRACTOR SHALL USE A GOVERNMENT APPROVED NON-OZONE DEPLETING SUBSTANCE.

2. IF A GOVERNMENT APPROVED NON-OZONE DEPLETING SUBSTANCE IS UNKNOWN/UNAVAILABLE, THE CONTRACTOR SHALL CONTACT 4.8.1.4 AT NAWCAD LAKEHURST FOR AN ACCEPTABLE SUBSTITUTE, AN ALTERNATE PROCESS OR A WAIVER OF THE REQUIREMENT.

SEE ATTACHED PAGES FOR QUALITY ASSURANCE REQUIREMENTS.

Ser 4.8.13B148-2/01-12832
29 October 2001

From: Head, Prototype Manufacturing and Quality Assurance Division
Naval Air Systems Command, Lakehurst, NJ (4.8.13)
Hwy #547, Lakehurst, NJ 08733-5125

To: Commanding Officer, Naval Inventory Control Point, Philadelphia
Attn: Code 0731.12, Charles Johnson
700 Robbins Avenue, Philadelphia, PA 19111

Subj: THERMOMETER, P/N 415383-1, REV. B, NSN 6685-00-527-7169

Encl: (1) QM1006 #01-12832

1. The Quality Assurance requirements for the subject procurement are listed in enclosure (1) and shall be used in conjunction with REI 01-12832. If a conflict exists with regard to identifying the criticality of this item of ALRE/SE, the higher level of criticality shall apply.
2. Any deviations from these quality requirements will need prior approval from Naval Air Systems Command, Lakehurst, Code 4.8.13.2.
3. If you have any questions on this matter or additional information is required, please advise.


RICH HEADLEY

SUPPLEMENTAL CONTRACT QUALITY REQUIREMENTS

NAVAIR has established the following Quality Assurance requirements to be used in procurement of the material identified below.
Additional amplifying information is available via separate correspondence.

REI/TDR NUMBER: 01-12832

DATE: 29 October 2001

NAME: THERMOMETER

NSN: 6685-00-527-7169

CIC=Y (CRITICAL)

PART NO. 415383-1 REV: B

A: SOURCE SELECTION

1. Pre-award survey with NAVAIR QA participation required? Yes ☐ (See attached, para 1) No ☒
(Can be waived by NAVAIR based on a given supplier's history)
2. Post Award with NAVAIR QA participation required? Yes ☐ (See attached, para 2) No ☒
(Can be waived by NAVAIR based on given supplier's history)
3. Recommended Sources based on recent, documented Quality performance:
(Recommended sources do not need a pre-award survey by NAVAIR QA)
 - a. None

B: INSPECTION AND ACCEPTANCE POINT:

1. Preliminary Inspection Point: Source ☒ Destination ☐
2. Acceptance Point: Source ☒ Destination ☐

C: QUALITY LETTER OF INSTRUCTION:

1. Quality Assurance Letter of Instruction Required? YES ☐ (See attached, para 3) NO ☒

D: QUALITY ASSURANCE STANDARD:

1. Higher Level Quality program per FAR 52.246-11 YES ☒ NO ☐
2. Standard Quality program per FAR 52.246-2 YES ☒ NO ☐
(Must use if higher level selected)

E: NAVAIR INSPECTION WITNESS OPTION:

1. NAVAIR option to witness final inspection required? YES ☒ (See attached, 4) NO ☐
2. NAVAIR option to witness interim inspections required? YES ☐ (see below) NO ☒
 - a.
 - b.
 - c.

F: CONFIGURATION CONTROL:

Configuration control in accordance with MIL-STD-973 is required. The approval authority for all major and minor waivers and deviations shall be NAWCADLKE Code 4.8.10.

G: QUALITY CONFORMANCE AND LOT SAMPLING INSPECTIONS:

1. NAVAIR specified Quality Conformance Inspection plan with sampling rates? Yes ☒ (See attached, para 5) No ☐

H: RECEIPT INSPECTION

1. Receipt Inspection Certification required? Yes ☐ No ☒
2. Point of Certification? NAVAIR Lakehurst ☐ Source with contractor assist ☐

I: FIRST ARTICLE TEST

1. First Article Testing required? Yes ☐ (see attached para 6) NO ☒
2. Place of Testing Performance. Source ☐ Government ☐ Both ☐

See attached for detailed First Article Testing requirements, associated data deliverables, and estimated costs.

J: PRODUCTION LOT TESTING

1. Production Lot Testing required? Yes ☐ (see attached para 7) NO ☒
2. Place of Testing Performance. Source ☐ Government ☐ Both ☐

See attached for detailed Production Lot Testing requirements and estimated costs.

K: DATA DELIVERABLES:

- Data deliverables required? Yes ☐ see attached DD 1423 forms No ☒

L: ALRE FLIGHT CRITICAL COMPONENT NOTICE

1. ALRE Flight Critical Component notice required? Yes ☐ No ☒

M: CERTIFICATE OF QUALITY COMPLIANCE

1. Certificate of Quality Compliance Required? Yes ☒ No ☐

N: OTHER PART SPECIFIC AND UNIQUE REQUIREMENTS

QUALITY ASSURANCE REQUIREMENTS:

The paragraphs shown below, when referenced on the QM1006 checklist, provide the detailed Quality Assurance requirements to be used for the particular procurement. These paragraphs shall only apply when the corresponding "Yes" block has been checked on the associated checklist.

1. Due to the critical use of this material and/or it's quality history, a preaward survey is required. Unless specifically waived by NAWC Quality Assurance, NAWC quality assurance personnel shall participate in this survey. Notify the NAWC Quality Assurance branch, Code 4.8.M.2, Jim Gooch, (732)-323-7504; telefax (732) 323-7234, of all pending preaward surveys associated with this procurement.
2. A contract Post Award conference is required for this procurement. This may be waived by NAWC Quality Assurance based on the results of the preaward survey.
3. The procuring activity shall issue a Quality Assurance Letter of Instruction (QALI) to the appropriate Adminstrating Contract Office instructing the authorized government Quality Assurance Representative as follows:
 - a. Features/attributes/requirements classified as Critical on the drawing(s) or within the technical specification shall be inspected 100%
 - b. Features/attributes/requirements classified as Major on the drawing(s) or within the technical specification shall be inspected using an AQL of 1.0 as defined by ANSI Z1.4
 - c. Minor features/attributes/requirements shall be per the QAR's established procedures.
 - d. The QAR will invoke government source inspection via delegation for all work on Critical and Major features/attributes/requirements performed by sub-contractors which cannot be verified upon receipt by the prime contractor.
4. The solicitation/contract shall contain the NAWCADLKE inspection surveillance clause as follows:

Because of the critical nature of this material, a representative of the Naval Air Warfare Center Aircraft Division Lakehurst (NAWCADLKE) is available to furnish technical assistance on Quality Assurance (QA) matters and shall have the option of conducting QA surveillance for the first lot produced under this contract (and all subsequent lots if necessary). This requirement will be performed in conjunction with the Quality Assurance Representative (QAR) of the cognizant Defense Contract Management Command and does not abrogate the authority or responsibility of the designated QAR. The contractor agrees to notify, in writing, the supervisor of the NAWC QA section Code, 4.8.13. 2, Lakehurst, NJ 08733-5035 and the NAVICP Mechanicsburg Contracting Officer when material is scheduled to be presented to the DCMC QAR for Government inspection and acceptance. This notice shall afford the NAWCADLKE QA representative the option of being present during the inspection. Notification to NAWC may be provided via telephone (732)-323-7504 immediately followed by written conformation, or via facsimile transmission (FAX 732-323-1381). A minimum of fourteen (14) working days is required to arrange the surveillance visit.
5. The contractor shall perform Quality Conformance and Lot Sampling Inspection for all associated features that are present in the drawings and specifications:
 - a. Features/attributes/requirements classified as Critical and Major on the drawing(s) or within the technical specification shall be inspected 100%;
 - b. Unless otherwise specified, attributes for plating, hardness, and non-destructive testing shall be inspected 100%;
 - c. Class 3 Threads, dimensions, and geometric feature controls with a tolerance range of .010 or less shall be inspected using an AQL of 1.5 and the General Inspection Level II as defined by ANSI Z1.4
 - d. Minor Characteristics: Sampling rate determined by contractor subject to QAR approval.